<u>WHAT IS CLAIMED IS</u>:

1. A method for developing a message interface, said method comprising:

developing a source document in a first language, said source document directing electronic communication with a first computer software application operating on a first computer system;

5   electronically evaluating said source document to identify keywords, said keywords representing directives in said source document for said electronic communication with said first computer software application;

electronically generating program source code in a second language as a function of said step of identifying said keywords in said source document, said

10   source code comprising directives for said electronic communication with said first computer software application; and

compiling said source code into object code, said object code functioning as said message interface comprising instructions to format data messages sent by a second computer system to comply with an application program interface

15   corresponding with said first computer software application.

2. The method of claim 1, further comprising directing said message interface to format said data messages prior to a middleware application transmitting said data message to said first computer system.

3. The method of claim 1, further comprising directing said message interface to format said data messages after a middleware application transmits said data message to said first computer system.

4. The method of claim 1, wherein said first computer system is a host system and said second computer system is a client system.

5. The method of claim 1, wherein said first computer system is a client system and said second computer system is a host system.

6. The method of claim 1, wherein said step of electronically generating source code comprises evaluating conditions corresponding with said keywords identified in said source document, and generating said program source code as a function of said evaluated conditions.

7. The method of claim 1, further comprising applying a schema to develop said source document, said schema comprising said keywords.

8. The method of claim 1, further comprising operating a front-end software application used to generate said source document.

9. The method of claim 8, wherein said front-end software application prompts a user of said front-end software application with said schema during development of said source document.

10. The method of claim 8, wherein said front-end software application notifies said user when said source document contains errors.

11. A system for developing a message interface, said system comprising:

a source document developed in a first language, said source document directing electronic communication with a first computer software application operating on a first computer system;

5   a program evaluation module, said program evaluation module electronically evaluating said source document to identify keywords in said source document, said keywords representing directives in said source document for said electronic communication with said first computer software application;

a source code generation module, said source code generation module

10   electronically generating program source code in a second language as a function of identifying said keywords in said source document, said source code comprising directives for said electronic communication with said first computer software application; and

a program compiler, said program compiler compiling said source code
15   into object code, said object code functioning as said message interface
comprising instructions to format data messages sent by a second computer
system to comply with an application program interface corresponding with said
first computer software application.

12. The system of claim 11, further comprising a middleware application
transmitting said data messages from said second computer system to said first
computer system, said data messages formatted by said message interface prior to
said middleware application transmitting said data message to said first computer
5   system.

13. The system of claim 11, further comprising a middleware application
transmitting said data messages from said second computer system to said first
computer system, said data messages formatted by said message interface after
said middleware application transmits said data message to said first computer
5   system.

14. The system of claim 11, wherein said first computer system is a host
system and said second computer system is a client system.

15. The system of claim 11, wherein said first computer system is a client
system and said second computer system is a host system.

16. The system of claim 1, wherein said source code generation module
evaluates conditions in statements corresponding with said keywords identified in
said source document, and generating program source code as a function of said
evaluated conditions.

17. The system of claim 11, further comprising a schema used to develop
said source document, said schema comprising said keywords used in said step of

generation of said program source code.

18. The method of claim 11, further comprising a front-end software application used to generate said source document.

19. The system of claim 18, wherein said front-end software application prompts a user of said front-end software application with said schema during development of said source document.

20. The method of claim 18, wherein said front-end software application notifies said user when said source document contains errors.

21. A system for developing a message interface, said system comprising:

a program evaluation module, said program evaluation module electronically evaluating a source document, said source document developed in a first language and directing electronic communication with a first computer
5   software application operating on a first computer system;

said program evaluation module identifying keywords in said source document, said keywords representing directives in said source document for said electronic communication with said first computer software application;

a source code generation module, said source code generation module
10   electronically generating program source code in a second language as a function of identifying said keywords in said source document, said source code comprising directives for said electronic communication with said first computer software application; and

a program compiler, said program compiler compiling said source code
15   into object code, said object code functioning as said message interface comprising instructions to format data messages sent by a second computer system to comply with an application program interface corresponding with said first computer software application.